

**Notice of Allowability**

Application No.

10/733,351

Examiner

Jessica L. Ward

Applicant(s)

MONS, CLAUDE

Art Unit

1733

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview Summary.
2. ☒ The allowed claim(s) is/are 1-4 and 11-26.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20070410.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Stepina on 4/10/07.

The application has been amended as follows:

**Specification, p. 2, lines 33-37:** replace the entire paragraph with --providing a flexible sheet derived from at least one plate obtained by the technique of casting a strip by silkscreen printing from a viscous material comprising a metallic brazing binder and a metal powder including a superalloy;--

**Claim 1, line 2:** --metal-- was inserted before "article".

**Claim 1, line 9:** --metal-- was inserted before "article".

**Claim 1, line 11:** --metal-- was inserted before "article".

**Claim 1, line 15:** --metal-- was inserted before "article".

**Claim 11, line 2:** --metal-- was inserted before "article".

2. The following is an examiner's statement of reasons for allowance:

It is known in the art to use a variety of techniques (spraying, vapor deposition, sputtering, painting, tape-casting, rolling, etc.) that allow for a continuous coating of a viscous material, comprising a binder (metallic and organic) and a metal powder of a superalloy, to be deposited so as to form a flexible sheet, cut the flexible sheet to make a preform, and then bond

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the preform to a surface of a metal substrate/article to protect the same (US 5523169, US 5577655, US 6679680, US 6637643, US 6302318, US 6827254, US 47261010). It is also known in the art to make the flexible sheet from just the binder (metallic and organic) and then silkscreen print the metal powder of the superalloy onto the flexible sheet, so that the superalloy is patterned on the surface of the flexible sheet, before placing the sheet onto the substrate/article for bonding thereto (US 2002/0108375, US 6846575, US 6541075, US 6402464). And, it is also known in the art to protect the surface of a metal substrate/article by silkscreen printing a pattern of a viscous material, comprising a binder (metallic and organic) and a metal powder of a superalloy, directly onto the metal substrate/article (US 6207300).

However, none of the prior art references taken alone or in combination teach or suggest the method steps set forth in present claims 1 and 11. As to claim 1, the prior art fails to teach or suggest making a coating on a face to be protected of a metal substrate and/or metal article by providing a flexible sheet derived from at least one plate obtained by casting a strip by silkscreen printing from a viscous material comprising a binder and a metal powder including a superalloy, cutting the flexible sheet to make a preform, and bonding the preform to the metal substrate and/or metal article. As to claim 11, the prior art fails to teach or suggest making a coating on a face to be protected of a metal substrate and/or metal article by coating a material on a grid, the material comprising a binder and a metal powder of a superalloy, spreading the material on the grid to pass the material through the grid thereby obtaining a plurality of plates, superposing the plates to obtain a flexible sheet, cutting the flexible sheet to make a preform, and bonding the preform to the metal substrate and/or metal article.

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3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessica L. Ward whose telephone number is 571-272-1223. The examiner can normally be reached on Mon-Fri between 9AM and 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard D. Crispino can be reached on 571-272-1226. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jessica L. Ward  
Primary Examiner  
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